CLAIMS:

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- 1. A computed tomography apparatus which includes a radiation source (S), a detector arrangement (16) and a device with which radiation (41a) having traversed an examination zone can be stopped at least to such an extent that its intensity which is incident on the detector arrangement (16) does not significantly exceed the intensity of radiation (41b) scattered in the examination zone (13) and incident on the detector arrangement (16).
- 2. A computed tomography apparatus as claimed in claim 1, in which the radiation source (S) is arranged to form an essentially fan-shaped radiation beam (41) and the detector arrangement (16) comprises a plurality of detector elements which are arranged in rows and columns in conformity with the length and the width, respectively, of the cross-section of the radiation beam (41) in the detector plane.
- 3. A computed tomography apparatus as claimed in claim 1, in which the detector arrangement (16) comprises a plurality of detector elements which are arranged in a row.
- 4. A computed tomography apparatus as claimed in claim 1, in which the device includes a first collimator (31) which is arranged on the radiation source (S), the radiation source (S) or the first collimator (31) being arranged so as to be offset relative to one another in a direction perpendicular to a propagation direction of the radiation beam (41) in such a manner that the radiation (41a) having traversed the object to be examined at least is not incident to a significant extent on the detector arrangement (16).
- 5. A computed tomography apparatus as claimed in claim 4, in which the device includes a first drive unit (31a) for displacing the radiation source (S) or the first collimator (31) relative to one another in such a manner that scattered radiation (41b) emanating from the object (13) to be examined at different angles can be detected.

6. A computed tomography apparatus as claimed in claim 1, in which the device includes a second collimator (32) which is arranged between the object (13) to be examined and the detector arrangement (16) and includes a region (321) whereby the radiation (41a) having traversed the object to be examined is stopped at least partly.

7. A computed tomography apparatus as claimed in claim 6, in which the region (321) is provided with an opening wherethrough a part of the radiation (41a) incident on the region (321) reaches the detector arrangement (16).

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- A computed tomography apparatus as claimed in claim 1, in which the device is formed by a detector arrangement (16) which is positioned so as to be shifted in a direction perpendicular to a propagation direction of the radiation beam (41) in such a manner that the radiation (41a) having traversed the object to be examined is directed at least substantially so as to bypass the detector arrangement (16).
  - 9. A computed tomography apparatus as claimed in claim 8, in which the device includes a second drive unit (32a) for displacing the detector arrangement (16) in such a manner that scattered radiation (41b) emanating from the object (13) to be examined at different angles can be detected.